

State of California  
AIR RESOURCES BOARD

## EXECUTIVE ORDER A-21-143

## Relating to Certification of New Heavy-Duty Motor Vehicle Engines

## CUMMINS ENGINE COMPANY, INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following Cummins Engine Company, Inc. 1996 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
TCE505D6DAAA (413E)	8.3 (505)	Oxidation Catalytic Converter Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per brake horsepower-hour are:

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.10

The certification exhaust emission values for this engine family in grams per brake horsepower-hour are:

<u>Engine Family</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
TCE505D6DAAA (413E)	0.2	0.9	4.8	0.09

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

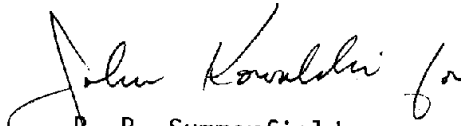
CUMMINS ENGINE COMPANY, INC.

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Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 27<sup>th</sup> day of November 1995.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

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HEAVY-DUTY DIESEL-STANDARD ENGINESManufacturer Cummins Engine Company, Inc. Engine Family (413E) TCE505D6DAAA  
Displacement:     / 8.3 Liters     / 505 Cubic InchesMaximum Rated Power: 300 HP @ 2200 RPM Engine Configuration: I-6Ignition: Compression X Compression with Glow Plug     Spark    Fuel Type(s): Dedicated X Flex-Fuel     Dual-Fuel     Diesel X M100     M85      
CNG     LNG     LPG     Other (specify)    Diesel Cert Fuel: 13 CCR 2282     40 CFR 86.1313-90     40 CFR 86.1313-94 XPrimary Intended Service Class: LHD     MHD X HHD     Urban Bus    Exhaust ECS (include MFI, TC, CAC):     OC (TC, CAC)      
(use abbreviations per SAE J1930 SEP91)

Engine Model (Eng Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm3 / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
C8.3-300 (1564)	300 @ 2200	154 (114.0)	FP:3922425 IN:3922913 IN:3926117	N/A	N/A	3926265 3929434
C8.3-300 (2102)	300 @ 2200	154 (114.0)	FP:3922425 IN:3928384	N/A	N/A	3926265 3929434

Date Issued:                     Revisions:                                                                  

SUBMIT

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